国際調査報告

国際出願番号 PCT/JP00/03734

A. 発明の原	属する分野の分類(国際特許分類(IPC))		
Int.	Cl ' H04L 12/28		
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B. 調査を行			
調査を行った最	長小限資料(国際特許分類(IPC))		
Int.	Cl' H04L 12/28 他		
最小限資料以外	トの資料で調査を行った分野に含まれるもの		
日本国公	開実用新案公報 1971-2000		
	用新案公報 1926-2000		
国際調査で使用	用した電子データベース (データベースの名称、	調金に使用した用語)	
WPI(DIA	ALOG) , INSPEC (DIALOG) , JICST ファイル (JO	IS)	· .
C. 関連する 引用文献の	ると認められる文献 「		関連する
カテゴリー*	引用文献名 及び一部の箇所が関連すると	きは、その関連する箇所の表示	請求の範囲の番号
Y	IEEE TRANSACTIONS ON COMMUNIC	· · · · · · · · · · · · · · · · · · ·	1,2,4-7,31
	(JANUARY 1995), Jeffrey E. Wies and Movable-Boundary Channel-	•	-35,54-57
	Integrated Voice/Data Wireles		
	74 (音声スロットとデータスロット		
Y	 IEEE Std 802.11-1997, Part11:	Wireless LAN Medium Ac-	1,2,4,5,7,
	cess Control (MAC) and Physica		31,32,33,3
	tions, "9.MAC sublayer functi	onal description",	5,52,54,5
	pages.71-99 (コンテンション領域	区と非コンテンション領域)	5,57
X C欄の続	・ きにも文献が列挙されている。		川紙を参照。
* 引用文献(の日の後に公表された文献	
「A」特に関	車のある文献ではなく、一般的技術水準を示す	「T」国際出願日又は優先日後に公表 出願と矛盾するものではなく、	された文献であって ※明の原理又は理論
もの 「E」国際出版	顔日前の出願または特許であるが、国際出願日	の理解のために引用するもの	
	公表されたもの 主張に疑義を提起する文献又は他の文献の発行	「X」特に関連のある文献であって、 の新規性又は進歩性がないと考	当該文献のみで発明 えられるもの
日若し	くは他の特別な理由を確立するために引用する	「Y」特に関連のある文献であって、	当該文献と他の1以
	理由を付す) よる開示、使用、展示等に言及する文献	上の文献との、当業者にとって よって進歩性がないと考えられ	ョッCのの配合でに るもの
	願日前で、かつ優先権の主張の基礎となる出願	「&」同一パテントファミリー文献	
国際調査を完	了した日	国際調査報告の発送日	2.09.0 0
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	の名称及びあて先	特許庁審査官(権限のある職員)	5X 9560
	国特許庁 (ISA/JP) 郵便番号100-8915	猪瀬 隆広	遊
	都千代田区霞が関三丁目4番3号	電話番号 03-3581-1101	内線 3594

	四次则基本口		
C (続き).	関連すると認められる文献		明油ナマ
引用文献の カテ <u>ゴリー*</u>	引用文献名 及び一部の箇所が関連するときは	、その関連する箇所の表示	関連する 請求の範囲の番号
Y	The Ninth IEEE International Sympo Indoor and Mobile Radio Communicat Conference Proceedings, Volume 1 (Chris Romans et al., "A medium acce less LANs which supports isochrono traffic ",pages.147-152 (EP,924)	cions, PIMRC'98, (September 8.1998), ss protocol for wire ous and asynchronous	1,2,4,5,7, 31,32,33,3 5,52,54,5 5,57
· Y	US,5684791,A (NEC USA,Inc.) 04.11 ファミリーなし,第 10 欄第 50-55 行等(参照可能.但し CBR 領域はランダムアクセ	(CBR 領域の再送処理など	6,34,56
A	1995 Fourth IEEE International Consal Personal Communications Recor H.Xie, et al.,"Data Link Control Pless ATM Access Channels",pages.7791,Aの関連論文)	d, (November 6 1995) rotocols for Wire-	1-97
EX	EP,932277,A2 (SONY Corp.)28.07月 P,11-215135,A (同一出願人からの関連		1,4,8,11
EX	EP,939510,A2 (SONY Corp.)01.09月 P,11-252090,A (同一出願人からの関連		1,4,5
EX	EP,939523,A2 (SONY Corp.)01.09月 P,11-239114,A (同一出願人からの関連		1,4,5
EX	EP,924896,A1 (Hewlett-Packard Cor (23.06.99) ファミリーなし(コンテンション領域と再送領域)	mpany) 23.06 月.1999 ション領域と非コンテンシ	1,4
PA .	IEEE VTS, 50th Vehicular Technology), Volume 1, Takeo Nasu et al. "Hy-Distinction for Wireless 1394 Housell (IEEE1394の無線化システム)	brid-Coding and Code	1-97
PA	IEEE TRANSACTIONS ON CONSUMER ELE o.3 (AUGUST 1999), Stelios Koutrou EFFICIENT ACCESS PROTOCOL FOR INT SERVICES IN THE HOME ENVIRONMENT"性と非同期トラヒックの無線伝送に関する	lbinas et al.,"A NEW EGRATING MULTIMEDIA ,pages.481-487 (等時	1-97

International application No.

PCT/JP00/03734

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl7 HO4L 12/28 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Int.Cl7 H04L 12/28 etc. Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Japanese Utility Model Laid Open Gazzette 1971-2000 Japanese Utility Model Publication Gazzette 1926-2000 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPI (DIALOG), INSPEC (DIALOG), JICST FILE (JOIS) C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category* 1,2,4-7,31-35, IEEE TRANSACTIONS ON COMMUNICATIONS, Vol.43, NO.1, 54-57 (JANUARY 1995), Jeffrey E. Wieselthier, et al., "Fixed-and Movable-Boundary Channel-Access Schemes for Integrated Voice/Data Wireless Networks", pages.64-74 (the system which allocates variably voice slots and data slots) 1,2,4,5,7,31, IEEE Std 802.11-1997, Partll:Wireless LAN Medium Ac-Y cess Control(MAC) and Physical Layer(PHY) specifica-32,33,35,52, 54,55,57 tions, "9.MAC sublayer functional description", pages.71-99 (contention region and non-contention region) 1,2,4,5,7,31, The Ninth IEEE International Symposium on Personal, Y 32,33,35,52, Indoor and Mobile Radio Communications, PIMRC'98, 54,55,57 Conference Proceedings, Volume 1 (08 September, 1998), Chris Romans et al., "A medium access protocol for wireless LANs which supports isochronous and asynchronous traffic ", pages.147-152 (or, the related paper to EP, 924896, A1) 6,34,56 US, 5684791, A (NEC USA, Inc.), Y (Family: none) 04 November, 1997 (04.11.97) Column 10, lines 50 to 55, etc. (retransmission procedures Further documents are listed in the continuation of Box C. See patent family annex. later document published after the international filing date or Special categories of cited documents: priority date and not in conflict with the application but cited to "A" document defining the general state of the art which is not understand the principle or theory underlying the invention considered to be of particular relevance "X" document of particular relevance; the claimed invention cannot be "E" earlier document but published on or after the international filing considered novel or cannot be considered to involve an inventive date step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is "Y" document of particular relevance; the claimed invention cannot be cited to establish the publication date of another citation or other considered to involve an inventive step when the document is special reason (as specified) combined with one or more other such documents, such document referring to an oral disclosure, use, exhibition or other combination being obvious to a person skilled in the art "&" document member of the same patent family document published prior to the international filing date but later than the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 12 September, 2000 (12.09.00) 31 August, 2000 (31.08.00) 5x/9560 Authorized officer Name and mailing address of the ISA/ Examiner, Patent Office Japanese Patent Office Telephone No. Facsimile No.

International application No.

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and the like in the CBR region can be of reference. The CBR region is, however, not the random access region.) A 1995 Fourth IEEE International Conference on Universal Personal Communications Record, (06 November, 1995) H.Xie, et al., "Data Link Control Protocols for Wireless ATM Access Channels", pages. 753-757 (or, the related paper to US, 5684791, A, mentioned above) EX EP, 932277, A2 (SONY Corp.), 28 July, 1999 (28.07.99) & JP, 11-215135, A (or, the related application from the same applicant) EX EP, 939510, A2 (SONY Corp.), 01 September, 1999 (01.09.99) & JP, 11-252090, A (or, the related application from the same applicant) EX EP, 939523, A2 (SONY Corp.), 01 September, 1999 (01.09.99) & JP, 11-239114, A (or, the related application from the same applicant) EX EP, 924896, A1 (Hewlett-Packard Company), 23 June, 1999 (23.06.99) (Family: none) (the contention region, non-contention region and retransmission region) PA IEEE VTS, 50th Vehicular Technology Conference (VTC'99), Volume 1, Takeo Nasu et al., "Hybrid-Coding and Code-Distinction for Wireless 1394 Home-Link", pages. 507-511 (the radio system for IEEE 1394)	<u> </u>	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
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28 July, 1999 (28.07.99) & JP, 11-215135, A (or, the related application from the same applicant) EX	A	sal Personal Communications Record, (06 November, 1995) H.Xie, et al., "Data Link Control Protocols for Wireless ATM Access Channels", pages.753-757 (or, the related	1-97
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International application No.

PCT/JP00/03734

	FICATION OF SUBJECT MATTER C1 H04L 12/28	,	
According to	International Patent Classification (IPC) or to both natio	nal classification and IPC	
B. FIELDS	SEARCHED		
Int.			
	on searched other than minimum documentation to the ex nese Utility Model Laid Open nese Utility Model Publicati		n the fields searched 971-2000 926-2000
	ata base consulted during the international search (name of DIALOG), INSPEC (DIALOG), JICST FILE		ch terms used)
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appr		Relevant to claim No.
Y	IEEE TRANSACTIONS ON COMMUNICATI (JANUARY 1995), Jeffrey E. Wieselt! Movable-Boundary Channel-Access Voice/Data Wireless Networks", pa which allocates variably voice	hier, et al., "Fixed-and Schemes for Integrated ages.64-74 (the system	1,2,4-7,31-35, 54-57
Y	IEEE Std 802.11-1997, Partll:Wincess Control(MAC) and Physical Itions, "9.MAC sublayer functions pages.71-99 (contention region and	Layer(PHY) specifica- al description",	1,2,4,5,7,31, 32,33,35,52, 54,55,57
Y	The Ninth IEEE International Symindoor and Mobile Radio Communic Conference Proceedings, Volume I Chris Romans et al., "A medium accellans which supports isochronous at, pages.147-152 (or, the related paper to EP, 9)	cations, PIMRC'98, L (08 September, 1998), ss protocol for wireless and asynchronous traffic	1,2,4,5,7,31, 32,33,35,52, 54,55,57
Y .	US, 5684791, A (NEC USA, Inc.), 04 November, 1997 (04.11.97) Column 10, lines 50 to 55, etc. (re	(Family: none) transmission procedures	6,34,56
□ Furth	er documents are listed in the continuation of Box C.	See patent family annex.	
Speci "A" docur consic "E" earlie date "L" docur cited speci "O" docur mean "P" docur	al categories of cited documents: ment defining the general state of the art which is not lered to be of particular relevance r document but published on or after the international filing ment which may throw doubts on priority claim(s) or which is to establish the publication date of another citation or other al reason (as specified) ment referring to an oral disclosure, use, exhibition or other s ment published prior to the international filing date but later the priority date claimed	"T" later document published after the interpriority date and not in conflict with understand the principle or theory understand the principle or theory undocument of particular relevance; the considered novel or cannot be considered to expect the considered to involve an inventive streambined with one or more other succombination being obvious to a personal comment member of the same patern	the application out cited to derlying the invention a claimed invention cannot be tered to involve an inventive as a claimed invention cannot be to the comment is the document is the documents, such on skilled in the art
31	eactual completion of the international search August, 2000 (31.08.00)	Date of mailing of the international se 12 September, 2000	(12.09.00)
Name and Jag	mailing address of the ISA/ canese Patent Office	Authorized officer Examiner, Patent Of	5X/9560 ffice
Facsimile	No.	Telephone No.	

International application No.

PCT/JP00/03734

tegory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	1995 Fourth IEEE International Conference on Universal Personal Communications Record, (06 November, 1995)H.Xie, et al., "Data Link Control Protocols for Wireless ATM Access Channels", pages.753-757 (or, the related paper to US, 5684791, A, mentioned above)	1-97
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EX	EP, 924896, Al (Hewlett-Packard Company), 23 June, 1999 (23.06.99) (Family: none) (the contention region, non-contention region and retransmission region)	1,4
PA	IEEE VTS, 50th Vehicular Technology Conference (VTC'99), Volume 1, Takeo Nasu et al., "Hybrid-Coding and Code-Distinction for Wireless 1394 Home-Link", pages. 507-511 (the radio system for IEEE 1394)	1-97
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